

GMAO FP 5.11.0 System Upgrade

On June 11, 2013, the GMAO will upgrade the 1/4-degree Forward Processing (FP) system from GEOS-5.7.2 to GEOS-5.11.0.

With the upgrade to GEOS-5.11.0, we are modifying the file names used on the data portal for GEOS-FP products. The goal is to have more consistency between DAS and forecast file names and to make them version independent, so users do not need to make changes as the GMAO makes upgrades to the science software. Version information is still carried in the file metadata.

With this transition, FTP access users will have to make adjustments for the new file names to continue downloading the 1/4-degree FP data, but this will not be the case for future upgrades. If users have been using the “fp” FTP directory link (see below), this directory path does not change with the upgrade. The OpenDAP access link remains the same.

Data Access

Assimilation Products

FTP directory: ftp://gmao_ops@ftp.nccs.nasa.gov/fp/das/

Sample filename: GEOS.fp.asm.tavg1_2d_flx_Nx.20130514_0030.V01.nc4

(previously: DAS.ops.asm.tavg1_2d_flx_Nx.GEOS572.20130514_0030.V01.nc4)

OpenDAP: http://opendap.nccs.nasa.gov:9090/dods/GEOS-5/fp/0.25_deg/

Assimilation products are kept online for approximately 6 months after creation. Requests to access older data that is no longer online can be sent to geos5-nrt@lists.nasa.gov. When the transition to GEOS-5.11.0 occurs, there will be no prior history available at the links shown above. If you need to access FP products for up to 6 months before the initialization date of GEOS-5.11.0, refer to the GEOS-5.7.2 legacy products below.

Forecast Products

FTP directory: ftp://gmao_ops@ftp.nccs.nasa.gov/fp/forecast/

Sample filename: GEOS.fp.fcst.tavg1_2d_flx_Nx.20130514_12+20130514_0930.V01.nc4

(previously: e572p5_fp.tavg1_2d_flx_Nx.20130514_12z+20130514_0930z.nc4)

OpenDAP: http://opendap.nccs.nasa.gov:9090/dods/GEOS-5/fp/0.25_deg/

Forecast products are kept online for approximately one week after creation. Older forecasts are generally not available. There will be no history of GEOS-5.11.0 products online when this transition occurs. If you need to access FP products for up to 1 week before the initialization date of GEOS-5.11.0, refer to the GEOS-5.7.2 legacy products below.

Legacy GEOS-5.7.2 Products

After the GEOS-5.11.0 transition occurs, you may still access the GEOS-5.7.2 products created before June 11, subject to the lifetime described above, by accessing the following locations:

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FTP: ftp://gmao_ops@ftp.nccs.nasa.gov/legacy_fp_572/

OpenDAP: http://opendap.nccs.nasa.gov:9090/dods/GEOS-5/legacy_fp/0.25_deg/

Documentation

Basic information about the variable contents of FP products can be determined by viewing the OpenDAP URLs shown above or by viewing the FP-IT file specification on the GMAO products page: https://gmao.gsfc.nasa.gov/products/documents/GEOS_5_FPIT_File_Specification_ON02_v1_2.pdf While this specification is for the 1/2-degree FP-IT products, the file collections are the same as in the 1/4-degree FP. A file specification document specific for FP will be released soon.